

OPTICAL LEAK DETECTION INSTRUMENTS ●

FLASHDETECTOR™ 1550nm Laser Leak Detection Set PX-D604

FEATURES

- FULL FEATURED LIGHT SOURCE
- THREE MODULATION FREQUENCIES
- EXTREMELY RUGGED ALUMINUM PACKAGING
- ONE HOUR QUICK CHARGE SOURCE
- OPTICAL / ELECTRONIC FILTERING
- AUDIO / VISUAL LEAK INDICATION
- POCKET SIZED PROBE
- COMPACT SOURCE (7" x 3.5" x 1.5")
- WATERPROOF CARRY CASE
- TWO YEAR WARRANTY



Application and Description

The FLASHdetector™ series of optical leak detection sets was designed to locate energy leaks in fiberoptic systems due to splice loss, connector loss, breakage, or bending. By simply sweeping over a fiber, the leak detection probe will beep whenever it encounters a light loss point. Generally performing the same function as a visible laser source, this product is primarily used in OTDR dead zone areas or splice enclosures where exact pinpointing of a fault is critical.

The major advantage of the FLASHdetector™ over a visible laser however is that it can "see" cable faults in bright room light as well as in many blue, green, and black coated fibers! Typical sensitivity for the optical probe is approximately -65dBm. Keep in mind that although some power meters can read these low power levels, the FLASHdetector™ can discriminate these levels in ambient room light tens of thousands of times brighter than the average leak. What this means is that the light lost from a singlemode fiber bent around a finger may be detected up to 12" away and that connector endface emission from a good singlemode fiber can be seen from over 100' away, even in normal room light!

The included stabilized light source is suitable for use as both a tracer signal generator (for leak detection) and a full-featured light reference (for use in loss testing applications). The source is powered by either four AA alkaline batteries or an AC wall pack with four AA NiCd cells (both the wall pack and NiCd are included). In addition, the source includes a built-in 1 hour quick charger for emergency situations. The leak detection probe uses a single 1/2AA Lithium cell for power and will continuously operate for over 100 hours.

Specifications

Model	PX-D604	Operating Temperature	-5C to 45C
Detector	Filtered Ge	Storage Temperature	-10C to 60C
Wavelength	1550nm	Humidity	10% to 90% non-condensing
View Angle	20 degrees	Power	US 120VAC 60Hz (included)
Sensitivity	-60dBm min.		NiCd 4 "AA" 600mAh (included)
Probe Modulation	500Hz		Alkaline 4 "AA", Probe 1/2AA Lithium
Source Emitter	LASER	Battery Life	10 hrs. source, 100 hrs. probe
Source Power	-8dBm min.	Trickle Charge	12-14 hours (source only)
		Quick Charge	60 minutes (source only)